



FIOH

notified by the Ministry of Social Affairs and Health  
and identified under 0403 grants

# EC TYPE EXAMINATION CERTIFICATE

15167NWS01rev4

for electrostatic dissipative high visibility clothing against heat and flame and against rain,  
offering limited protection against liquid chemicals  
as defined in EN 1149-5:2008, EN ISO 20471:2013,  
Jackets, parka and coveralls class 3; vest class 2; trousers and bib'n brace class 1,  
EN ISO 14116:2015, unlined garments index 1,  
insulated garments outer face index 1, inner face index 3,  
EN 343:2003+A1:2007, classes 3, 1, and EN 13034:2005+A1:2009,  
vest type PB[6], other garments type 6

## **Rain Wear**

**Insulated Parka with Hood 65183-63, 65183-73,  
Jacket with Hood 65184-63, 65184-73,  
Coverall 65185-63, 65185-73, Trousers 65186-63, 65186-73,  
Bib'n Brace 65187-63, 65187-73,  
Insulated Short Jacket with Hood 65188-63, 65188-73,  
Insulated Vest 65189-63, 65189-73**

Red Wing Shoe Company  
Red Wing, USA

These products comply with Directive 89/686/EEC,  
as amended

Helsinki, 1 September 2016  
Expiry date: 31 August 2021

Anna Ruhala  
Senior Specialist

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Senior Specialist



## 1. Applicant

Red Wing Shoe Company  
314 West Main Street  
Red Wing MN, 55066  
USA

## 2. Description and identification of the product

- Type: Electrostatic dissipative high visibility clothing against heat and flame, and against rain offering limited protection against liquid chemicals as defined in EN 1149-5:2008, EN ISO 20471:2013, EN ISO 14116:2015, EN 343:2003+A1:2007 and EN 13034:2005+A1:2009
- EN ISO 20471: Jackets, parka and coveralls class 3; Vest class 2;  
Trousers and bib'n brace class 1
- EN ISO 14116: Unlined garments index 1; Insulated garments outer face index 1, inner face index 3
- EN 343: Resistance to water penetration class 3, water vapour resistance class 1
- EN 13034: Vest type PB[6], other garments Type 6
- Name: Rain wear  
Insulated Parka with Hood 65183-63, 65183-73,  
Jacket with Hood 65184-63, 65184-73, Coverall 65185-63, 65185-73,  
Trousers 65186-63, 65186-73, Bib'n Brace 65187-63, 65187-73,  
Insulated Short Jacket with Hood 65188-63, 65188-73,  
Insulated Vest 65189-63, 65189-73
- Size range: XS ->
- Description: Garments are made of a fluorescent orange (-63) or fluorescent yellow (-73) PU-coated fabric, 65% PES, 35% PU, 240 g/m<sup>2</sup>.
- Insulated garments have an inner lining 100% CO, 220 g/m<sup>2</sup>, light grey, and 100% PES padding, 140 g/m<sup>2</sup>.
- Retroreflective material is quality 19001 Silver Transfer Film (Sto-Nor Industri AS, Norway).

Manufacturer: Red Wing Shoe Company, 314 West Main Street, Red Wing MN, 55066, USA

Pictures of the products are on pages 3 and 4.

## 3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. Materials and the products have been tested in accordance with harmonized European standards EN 1149-5:2008, EN ISO 20471:2013, EN ISO 14116:2015, EN 343:2003+A1:2007 and EN 13034:2005+A1:2009 by accredited testing laboratories. The models of the products supplied by the applicant conform to the technical documentation.



#### 4. Compliance with basic health and safety requirements

The products and the technical documentation relating to them comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC.

Note: Any modification in design, materials, or in the technical documentation, carried out on these type examined products must be brought to the attention of FIOH.

Pictures of the products

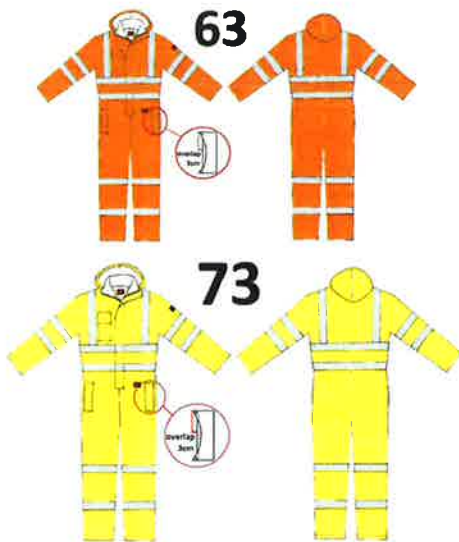
Insulated Parka with Hood 65183



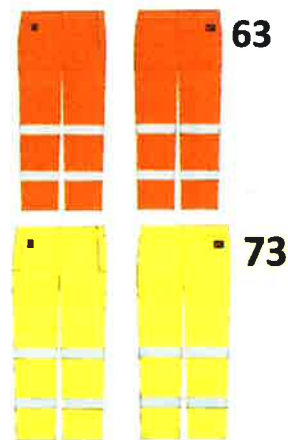
Jacket with Hood 65184



Coverall 65185

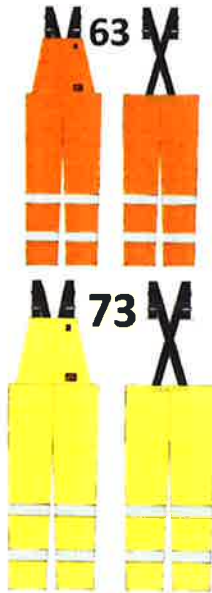


Trousers 65186





Bib'n Brace 65187



Insulated Short Jacket with Hood 65188



Insulated Short Vest 65189



Appendix 1. Technical documentation

End of EC type examination certificate 15167NWS01rev4.



### Technical documentation regarding EC type examination certificate 15167NWS01rev4

Product name: Rain wear

Insulated Parka with Hood 65183-63, 65183-73,  
Jacket with Hood 65184-63, 65184-73, Coverall 65185-63, 65185-73,  
Trousers 65186-63, 65186-73, Bib'n Brace 65187-63, 65187-73,  
Insulated Short Jacket with Hood 65188-63, 65188-73,  
Insulated Vest 65189-63, 65189-73

Applicant: Red Wing Shoe Company, 314 West Main Street, Red Wing MN, 55066, USA

Item of technical documentation	Document identification	Assessment
1. Application for the EC type examination	2015-03-30 2015-12-21, Styles 65188, 65189 2016-01-04, EN 13034 2016-05-31, Yellow garments -73 2016-08-24 Orange garments -63	
2. Product drawing, construction, and material list	Technical specifications 2016-06-23: <ul style="list-style-type: none"><li>Lined Parka with Hood 65183</li><li>Unlined Rain Jacket with Hood 65184</li><li>Unlined Coverall 65185</li><li>Unlined Trousers 65186</li><li>Unlined Bib'n Brace 65187</li><li>Lined Short Jacket 65188</li><li>Lined Short Vest 65189</li></ul>	Products are identified, materials are specified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.11	
3.1 FIOH assessment of relevant Directive basic requirements	2016-09-01	The applied harmonised standards EN ISO 13688:2013, EN 1149-5:2008, EN ISO 20471:2013, EN ISO 14116:2015, EN 343:2003 +A1:2007 and EN 13034:2005+A1:2009 support the relevant requirements
3.2 FIOH test report	No. 271917T01, 2015-01-08 100% PES with PU-coating, HV Yellow No. 325536T01, 2016-04-05 100% PES fabric with PU-coating, HV Orange	Fluorescent material and colours meet the requirements of EN ISO 20471:2013 for a coated fabric, EN ISO 14116:2015 index 1 and EN 1149-5:2008
3.3 BTTG test report	Ref: 11/17498/PJH, 2012-10-26 PU Fabric Leatheroid JH19917F-Y, 100% PES knitted base fabric	Material meets the requirements of EN 343:2003, class 3 for water penetration and class 1 for water vapour resistance
3.4 FIOH test report	No. 325968T01, 2016-04-01 100% PES with PU-coating seam samples	Material meets the requirements of EN 13034:2005+A1:2009 classes abrasion 6, tear 2, tensile not applicable, puncture 2; liquid repellency/penetration index: H <sub>2</sub> SO <sub>4</sub> 3/3, NaOH 3/3, O-xylene 2/3, Butanol-1-ol 2/3: seam strength class 5
3.5 BTTG test report	Ref: 30/05994/2, 2012-01-30 100% CO	Inner lining material meets the requirements of EN ISO 14116:2015 index 3





3.6 Satra test report	SPC0220270/1349 Issue 2, 2014-01-08 FR Transfer Tape 19001	Retroreflective material meets the requirements of EN ISO 20471:2013 and of EN ISO 14116:2015 for flame spread index 1
3.7 FIOH test report	No. 261487T01, 2014-12-03 No. 225031T01, 2013-04-16 Seams samples with PES knitted fabric backing (Soundpond)	Seams meet the requirements of EN 343:2003 for water penetration class 3 and seam strength
3.8 FIOH test record	Assessment of the design and measurement of areas, 2016-04-25, 2016-06-03	Jackets, parka and coveralls meet class 3, vest class 2, trousers and bib trousers class 1 as defined in EN ISO 20471:2013. Garments meet the design requirements of EN 1149-5:2008 and EN 13034:2005+A1:2009
3.9 Aitex test report	No. 2016EP0959, 2016-04-19 Coverall	Garments meet the requirements of EN 13034:2005+A1:2009 for resistance to penetration by spray
3.10 Draft information sheet	User Instructions Red Wing Workwear - High visibility EN ISO 20471 - Flame-resistant workwear - Protection against rain - Chemical protective clothing EN 13034	Document meets the requirements of the Directive, EN ISO 13688:2013, EN 1149-5:2008, EN ISO 20471:2013, EN ISO 14116:2015, EN 343:2003 +A1:2007 and EN 13034:2005+A1:2009
3.11 Product markings	Drafts for labels in technical specifications	Markings meet the requirements of EN ISO 13688:2013, EN 1149-5:2008, EN ISO 20471:2013, EN ISO 14116:2015, EN 343:2003 and EN 13034:2005+A1:2009
4. Description of the production quality system and related product control and test facilities	ISO 9001:2008 Certificate No. 43276, 2012-05-21	Agreement with FIOH on the EC quality control system for the final product (PPE category III product)